

FIGURE 1. SCHEMATIC BLOCK DIAGRAM OF A VERTICAL SPATIAL FILTERING CIRCUIT (RELATED ART)

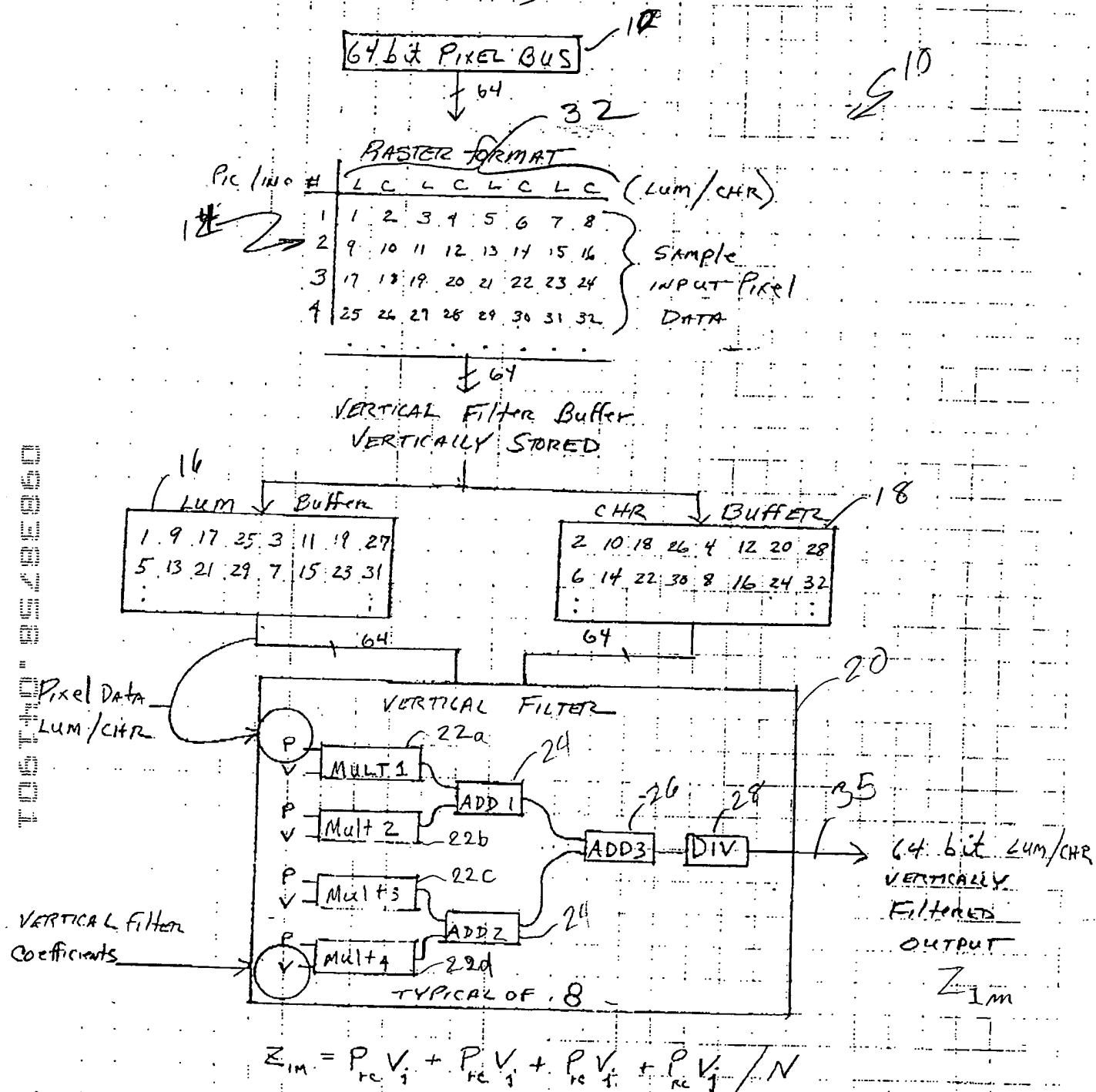
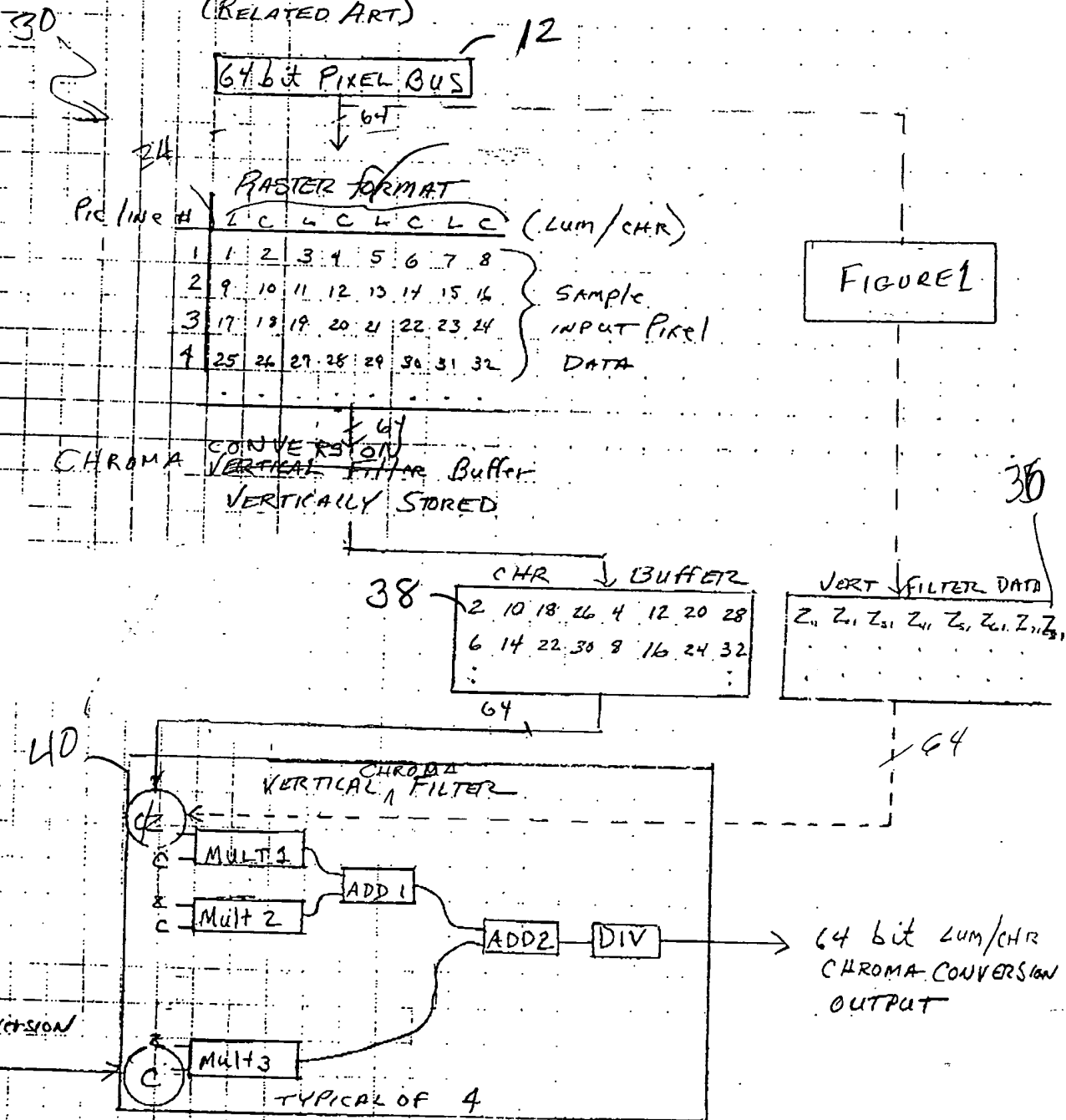
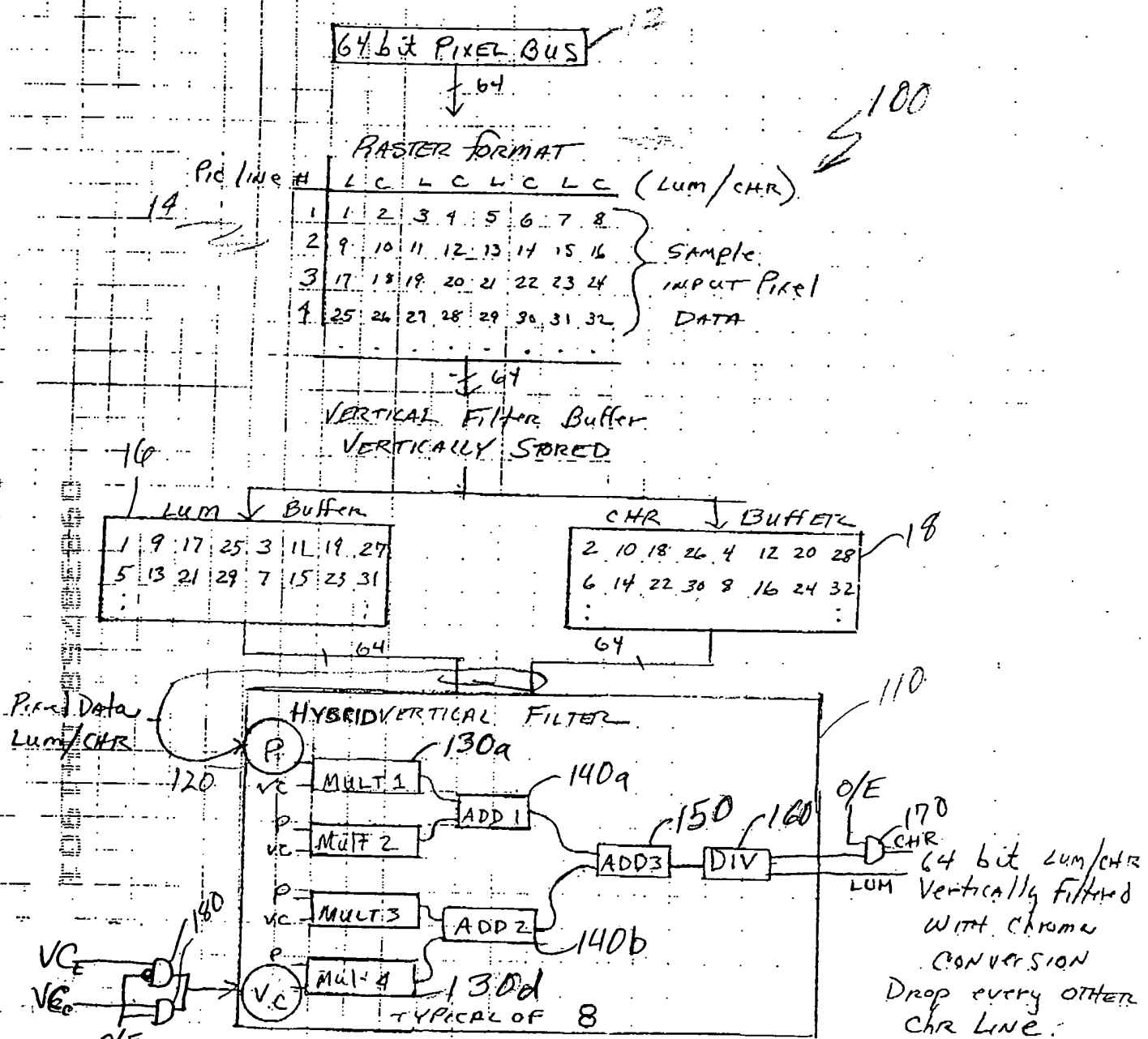


FIGURE 2 SCHEMATIC BLOCK DIAGRAM OF A VERTICAL CHROMA CONVERSION CIRCUIT (RELATED ART)



$$X_{no} = Z_{im} C_k + Z_{im} C_k + Z_{im} C_k$$

FIGURE 3 SCHEMATIC BLOCK DIAGRAM OF A
VERTICAL FILTER / CHROMA CONVERSION CIRCUIT



$$I_{10} = P_{rc} V_{c_k} + P(V_C + V_C) + P(V_C + V_C + V_C) + P(V_C + V_C + V_C) + P(V_C + V_C) + P V_C$$